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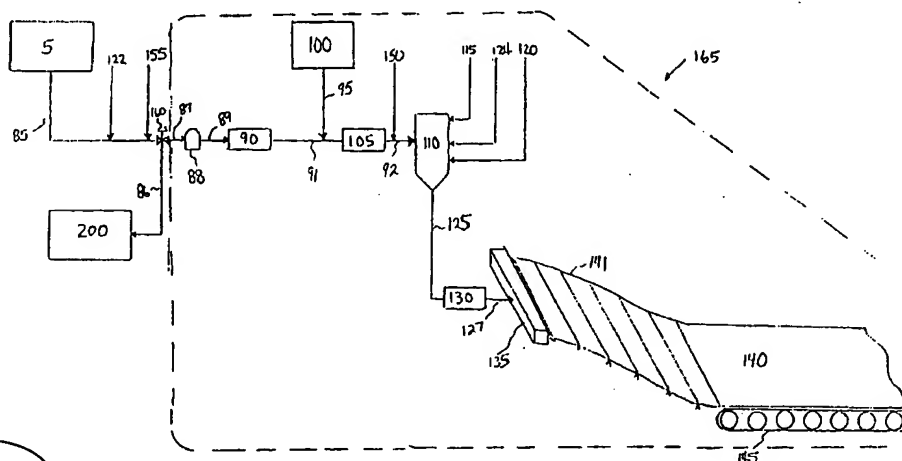
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(54) Title: COMBUSTION MODIFIED POLYURETHANE FOAM



(57) Abstract: Disclosed is a polyurethane foam comprising less than about 10 weight percent melamine and less than about 10 weight percent of one or more additional flame retardant compounds, both based on the total weight of the foam. In an embodiment, the weight ratio of melamine to the additional flame retardant compounds is in the range of from about 0.5 to about 2.0. The foam is a reaction product of one or more polyols, one or more isocyanates, one or more blowing agents, and one or more catalysts. In an embodiment, the foam has a density of within the range of from about 0.9 to about 4.25 lb/ft³, a 25% IFD in the range of from about 7 to about 150 lb/50in², and an air flow in the range of about 2.0 to about 5.5 ft³/minute. In an embodiment, the melamine is ground melamine.

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